

CANT-0042 Signal Antenna Installation

For maximum performance be sure to aim the antenna in the direction of your wireless provider's tower. If you know the direction of your provider's tower, simply point the antenna in that direction. If you are unsure of the location of the nearest tower, see antenna aiming instructions below. Note: the closest tower to your location may not be for your specific provider.



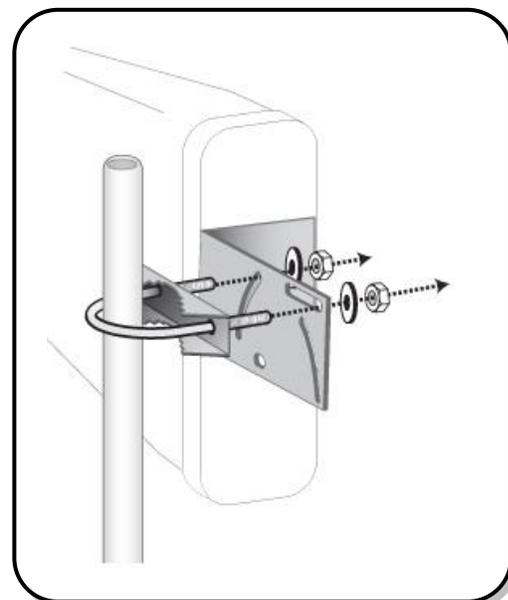
Note: Choosing the highest possible point for antenna placement will usually produce the best results. If you do not have roof access, you should choose the side of the building with the strongest signal.

Keep the Antenna at least 3 feet above metal.

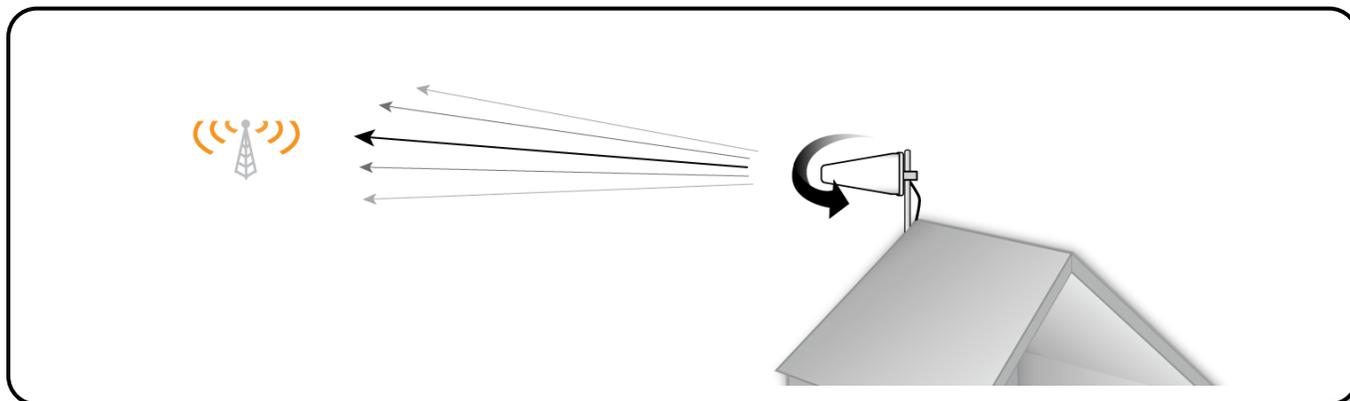
Keep the Base Unit unplugged until all cables are connected.

Installation Steps:

1. Once you have determined the location of strongest signal, install a mast or pole (not provided) on which to mount the antenna.
2. Assemble the provided L-bracket with the antenna using the provided screws. Then loosely connect the L-bracket to a mast to allow rotation around the mast (**Important:** The 2 holes on the side of the antenna plastic must be *facing down*). Before securing antenna hardware, take care in finding the optimum angle at which to aim the antenna – See **Antenna Aiming** Section for further instruction.
3. Connect the RG-6 coax cable to the antenna.
4. Route the cable indoors and connect it to the base unit using the Cell Phone Signal Booster installation instructions.



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Antenna Aiming:



You may also want to try our **zBoost Signal Finder** Android App

To get the maximum benefit, you will want to take special care to point the antenna in the direction of the best signal for your wireless service provider.

1. Place your cell phone on a non-metal surface which is 6-8 feet from the Base Unit Antenna.
2. Turn the signal booster on and wait 30 seconds. Note the number of signal bars displayed on your cell phone. For best results, you want your phone to display in the middle of the signal meter range or less so that it can go up as you rotate the Signal Antenna to the optimum direction. If it is reading too high, move the phone farther from the base unit antenna.
3. Record the number of signal bars (or range) _____(A) on your cell phone. Leave the phone in the same place and pointing in the same direction for the following steps. Note the direction of the antenna starting position _____.
4. Rotate the antenna mast 90 degrees and then record the phone signal bars _____(B).
5. Continue to rotate the antenna mast another 90 degrees in the same direction and record the phone signal bars _____(C).
6. Again, rotate the antenna mast another 90 degrees in the same direction and again record the phone signal bars _____(D).
7. Look for the highest reading above. Set the antenna to that position and tighten the antenna mast.
8. If you desire to optimize further, then look for the two highest signal bar readings above and move the antenna between these two points to find the highest signal bars reading.
9. Once you have determined the highest reading position tighten the antenna mast.

You have now completed the Directional Signal Antenna installation.

Specifications:

Frequency range:	698-960 MHz	1710-2700 MHz
Beam Width:	60°	55°
Polarization:	Vertical	
Max Gain:	10dBi	12dBi
VSWR:	≤1.6	
Impedance:	75Ω	
Max Power:	100W	
Lighting protection:	DC Ground	
Connector:	F-female	
Temperature:	-40°C ~55°C	
Front-To-Back Ratio:	≥ 10dB	